CAMBREX

Cambrex Profarmaco Milano S.r.L.

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Certificate of Analysis

Product	AMIODARONE HYDROCHLORIDE	C.A.S. n.	19774-82-4
Batch	301316	Formula	C25H29I2NO3,HCl
Production date	October 2015	M.W.	681.8
Expiration Date	October 2020	T.S.	016.009
Analysis	October 21 2015		
Coa Number	CA1.101		

DETERMINATION	SPECIFICATION		RESULT
DESCRIPTION	White crystalline powder, odourless		COMPLIES
SOLUBILITY	Methylene chloride	Clear solution	COMPLIES
APPEARANCE OF SOLUTION	Methanol	Clear and NMCT GY5	COMPLIES
COLOR	Abs.at 420 nm in Methanol	NMT 0.100	0.048
IDENTIFICATIONS	IR spectrum	Conforms to standard	COMPLIES
	Chlorides	Positive	COMPLIES
RESIDUE ON IGNITION		NMT 0.1 %	0.0
HEAVY METALS		NMT 20 ppm	COMPLIES
LOSS ON DRYING		NMT 0.5 %	0.0
WATER		NMT 0.5 %	0.1
pH		3.2 / 3.8	3.4
IODIDES		NMT 150 ppm	COMPLIES
IMPURITY H BY TLC	Diethylaminoethylchloride HCl (EP/USP-H)	NMT 0.01 %	ND
RELATED SUBSTANCES BY HPLC	Diiodo butyl (EP/USP-D)	NMT 0.200 %	0.005
	Mono iodo Amiodarone (EP/USP-C)	NMT 0.100 %	ND
	Bis desiodo Amiodarone (EP/USP-A)	NMT 0.100 %	ND
	Any unpecified impurity	NMT 0.100 %	0.032
	Total unspecified impurities	NMT 0.300 %	0.088
	Total impurities	NMT 0.500 %	0.093
ASSAY	By titration (on dried basis)	98.5 / 101.0 %	100.6
	Assay by HPLC (on dried basis)	98.5 / 101.0 %	100.4
RESIDUAL SOLVENTS BY GLC	Ethanol	NMT 2000 ppm	446
	Acetone	NMT 50 ppm	2
	Chloroform	NMT 50 ppm	ND
	Methylene Chloride	NMT 100 ppm	ND

This batch has been manufactured, packaged and tested in accordance with EU GMP Guideline Volume 4 Part II (ICHQ7)

The product conforms to requirements of:
EuPh8.0 - USP38

Approved by Qualified Person / Quality Director
Roberto Baima
10-22-2015

This Certificate of Analysis has been approved by the Qualified Person / Quality Director and produced automatically with validated electronic signature